T Number	Hits	Coord Mout	1.55	
L Number	HITS 22	Search Text (US-6072525-\$ or US-5923368-\$ or	DB	Time stamp
1.	22	US-5909242-\$ or US-5896174-\$ or	USPAT; US-PGPUB	2002/12/10 19:19
		US-5619264-\$ or US-5517238-\$ or	US-FGFUB	
		US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5842059-\$ or		
		US-5835143-\$ or US-5699116-\$ or		
		US-5267044-\$ or US-5218442-\$ or		
		US-6408135-\$ or US-5668597-\$ or		
		US-5051770-\$ or US-5587737-\$ or		
		US-6047134-\$).did. or		
		(US-20020109784-\$).did.		
4	0	sampling with shake with (increase or	USPAT;	2002/12/10 19:20
		decrease)	US-PGPUB	
7	1	sample with shake with (increase or	USPAT;	2002/12/10 19:21
		decrease)	US-PGPUB	
10	20	frequency with shake with (increase or	USPAT;	2002/12/10 19:21
	_	decrease)	US-PGPUB	İ
13	3	high-frequency with shake with (increase	USPAT;	2002/12/10 19:23
1,6	1 22	or decrease)	US-PGPUB	0000 (10 11 11
16	39	high-frequency with vibration with	USPAT;	2002/12/10 19:27
10	120	(increase or decrease)	US-PGPUB	
19	139	(348/347).CCLS.	USPAT;	2002/12/10 19:28
22	0	/!!foous with seems in all) PM	US-PGPUB	0000/10/10 10 00
22	0	("focus with averaging").PN.	USPAT; US-PGPUB	2002/12/10 19:28
25	180	focus with amoraging		2002/12/12 12 22
25	100	focus with averaging	USPAT; US-PGPUB	2002/12/10 19:29
31	26	(focus with averaging) and (zoom or	USPAT;	2002/12/10 19:29
31	20	zooming)	US-PGPUB	2002/12/10 19:29
28	26	(focus with averaging) and zoom	USPAT;	2002/12/10 19:30
		(====================================	US-PGPUB	2002/12/10 13.30
_	212	(348/345).CCLS.	USPAT;	2002/12/10 10:37
			US-PGPUB	2002, 22, 20 10.0
-	139	(348/347).CCLS.	USPAT;	2002/12/05 16:50
			US-PGPUB	
- / 1	39	(348/352).CCLS.	USPAT;	2002/12/05 15:21
			US-PGPUB	
-	82	(348/354).CCLS.	USPAT;	2002/12/05 15:47
			US-PGPUB	
-	103	((348/349).CCLS.) not ((348/352).CCLS.)	USPAT;	2002/12/05 16:35
	0.0	///249/240\ GGTG \ ==== //249/250\ GGTG \ \	US-PGPUB	0000/10/05 55 55
_	86	(((348/349).CCLS.) not ((348/352).CCLS.))	USPAT;	2002/12/05 16:35
_	106	not ((348/354).CCLS.) (348/349).CCLS.	US-PGPUB	2002/12/05 16 10
-	100	(370/349/.0010.	USPAT; US-PGPUB	2002/12/05 16:49
_	133	((348/347).CCLS.) not ((348/352).CCLS.)	USPAT;	2002/12/05 16:50
		(,010,01.,.0020., 100 (,040,002,.0010.)	US-PGPUB	2002/12/03 10:30
_	120	(((348/347).CCLS.) not ((348/352).CCLS.))	USPAT;	2002/12/05 16:51
		not ((348/354).CCLS.)	US-PGPUB	1332/12/03 10.31
_	110	((((348/347).CCLS.) not ((348/352).CCLS.))	USPAT;	2002/12/10 14:16
		not ((348/354).CCLS.)) not	US-PGPUB	,,
		((348/349).CCLS.)		•
-	199	((348/345).CCLS.) not ((348/347).CCLS.)	USPAT;	2002/12/05 16:53
			US-PGPUB	
-	196	(((348/345).CCLS.) not ((348/347).CCLS.))	USPAT;	2002/12/05 16:53
		not ((348/352).CCLS.)	US-PGPUB	
-	186	((((348/345).CCLS.) not ((348/347).CCLS.))	USPAT;	2002/12/05 16:53
		not ((348/352).CCLS.)) not	US-PGPUB	
		((348/354).CCLS.)		
-	175	(((((348/345).CCLS.) not	USPAT;	2002/12/05 16:53
		((348/347).CCLS.)) not ((348/352).CCLS.))	US-PGPUB	
İ		not ((348/354).CCLS.)) not		
_ !	11	(((348/349).CCLS.) not ((348/352).CCLS.)) (348/208.12).CCLS.	HCDATT-	2002/12/05 16:54
_	1 1	(340/200.12/.0013.	USPAT;	2002/12/05 16:54
			US-PGPUB	L

_	15	(US-6072525-\$ or US-5923368-\$ or	USPAT;	2002/12/05 17:33
		US-5909242-\$ or US-5896174-\$ or	US-PGPUB	
		US-5619264-\$ or US-5517238-\$ or		
	İ	US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
	Ì	US-6005612-\$ or US-5835143-\$ or		
	<u> </u>	US-5699116-\$ or US-5267044-\$).did. or		
	İ	(US-20020109784-\$).did.		
_	0	· ·	USPAT;	2002/12/05 17:34
		US-5909242-\$ or US-5896174-\$ or	US-PGPUB	2002/12/03 17:34
		US-5619264-\$ or US-5517238-\$ or	03-10100	
		US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$).did. or		
		(US-20020109784-\$).did.) and (zoom adj		
		speed)		
-	2	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	USPAT;	2002/12/05 17:38
		US-5909242-\$ or US-5896174-\$ or	US-PGPUB	
		US-5619264-\$ or US-5517238-\$ or		
		US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$).did. or		
		(US-20020109784-\$).did.) and (zoom with		
		speed)		
-	102	zoom adj speed	USPAT;	2002/12/05 17:38
			US-PGPUB	
-	1	(zoom adj speed) with shutter adj speed	USPAT;	2002/12/05 18:03
			US-PGPUB	
_	1	((zoom adj speed) with shutter adj speed)	USPAT;	2002/12/05 18:03
		and (zoom adj speed and shutter adj speed)	US-PGPUB	
_	16		USPAT;	2002/12/05 18:12
		US-5909242-\$ or US-5896174-\$ or	US-PGPUB	
		US-5619264-\$ or US-5517238-\$ or		
		US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		i
		US-5699116-\$ or US-5267044-\$ or		
		US-5331367-\$).did. or		
		(US-20020109784-\$).did.		
_	2	((US-6072525-\$ or US-5923368-\$ or	USPAT;	2002/12/05 18:14
		US-5909242-\$ or US-5896174-\$ or	US-PGPUB	2002/12/05 10.14
		US-5619264-\$ or US-5517238-\$ or	03-10100	
		US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$ or		
		,		
		US-5331367-\$).did. or		
		(US-20020109784-\$).did.) and		
		((high-frequency or high adj frequency)		
		with sharpness)		
-	11	((US-6072525-\$ or US-5923368-\$ or	USPAT;	2002/12/05 18:16
		US-5909242-\$ or US-5896174-\$ or	US-PGPUB	
		US-5619264-\$ or US-5517238-\$ or		
]	US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		1

US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or

(high-frequency or high adj frequency)

(US-20020109784-\$).did.) and

_	4	(((US-6072525-\$ or US-5923368-\$ or	USPAT;	2002/12/05 18:21
	İ	US-5909242-\$ or US-5896174-\$ or	US-PGPUB	
		US-5619264-\$ or US-5517238-\$ or		
		US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$ or		
		US-5331367-\$).did. or		
		(US-20020109784-\$).did.) and		
		(high-frequency or high adj frequency))		
		and (average or averaged)		
_	0	zoom adj speed adj detection	USPAT;	2002/12/05 18:22
			US-PGPUB	
_	2	(detect or detection) with (zoom adj	USPAT;	2002/12/05 18:25
		speed)	US-PGPUB	
-	419	sharpness with (average or averaged)	USPAT;	2002/12/05 18:26
			US-PGPUB	
-	10	sharpness with (average or averaged) with	USPAT;	2002/12/05 18:30
	1010	time	US-PGPUB	2000/10/05 15 15
-	1019	averaging adj time	USPAT;	2002/12/05 18:30
_	0	(averaging adj time) with sharpness	US-PGPUB	2002/12/05 10-20
-		(averaging ad) time, with sharpness	USPAT; US-PGPUB	2002/12/05 18:30
_	0	 (averaging adj time) with (zoom or	USPAT;	2002/12/05 18:32
1		zooming)	US-PGPUB	2002/12/03 10:32
-	110	(averaging adj time) with frequency	USPAT;	2002/12/05 18:32
			US-PGPUB	
-	4	(averaging adj time) with (high-frequency	USPAT;	2002/12/05 18:33
		or high adj frequency)	US-PGPUB	
-	16	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2002/12/09 11:06
ļ		US-5909242-\$ or US-5896174-\$ or	US-PGPUB	
		US-5619264-\$ or US-5517238-\$ or		
	1	US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or]	
Ì		US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or		
		(US-20020109784-\$).did.	Í	
_	11	((US-6072525-\$ or US-5923368-\$ or	USPAT;	2002/12/09 11:14
į		US-5909242-\$ or US-5896174-\$ or	US-PGPUB	2002/12/05 11:14
ļ		US-5619264-\$ or US-5517238-\$ or		
		US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$ or		
		US-5331367-\$).did. or		
		(US-20020109784-\$).did.) and zoom and		
_	1	focus ((US-6072525-\$ or US-5923368-\$ or	HCDAT.	2002/12/00 11-20
		US-5909242-\$ or US-5896174-\$ or	USPAT; US-PGPUB	2002/12/09 11:26
		US-5619264-\$ or US-5517238-\$ or	OS LGFOD	
		US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$ or		
		US-5331367-\$).did. or		
		(US-20020109784-\$).did.) and zoom adj		
		speed		
-	0	((())	USPAT;	2002/12/09 11:15
		US-5909242-\$ or US-5896174-\$ or	US-PGPUB	
		US-5619264-\$ or US-5517238-\$ or		
		US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$ or		
		US-5331367-\$).did. or		
		(US-20020109784-\$).did.) and zoom adj		
		speed) and decrease		

-	1	(((US-6072525-\$ or US-5923368-\$ or US-5909242-\$ or US-5896174-\$ or US-5619264-\$ or US-5517238-\$ or US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or US-6005612-\$ or US-5835143-\$ or	USPAT; US-PGPUB	2002/12/09 11:16
_	1	US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or (US-20020109784-\$).did.) and zoom adj speed) and reduce ((((US-6072525-\$ or US-5923368-\$ or	USPAT;	2002/12/09 11:17
		US-5909242-\$ or US-5896174-\$ or US-5619264-\$ or US-5517238-\$ or US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or (US-20020109784-\$).did.) and zoom adj speed) and reduce) and (focus or focusing	US-PGPUB	
_	1	of focused) ((US-6072525-\$ or US-5923368-\$ or US-5909242-\$ or US-5896174-\$ or US-5619264-\$ or US-5517238-\$ or US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))	USPAT; US-PGPUB	2002/12/09 11:27
_	1		USPAT; US-PGPUB	2002/12/09 11:27
	1	((((US-6072525-\$ or US-5923368-\$ or US-5909242-\$ or US-5896174-\$ or US-5619264-\$ or US-5517238-\$ or US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)	USPAT; US-PGPUB	2002/12/09 13:05
_	1	(((((US-6072525-\$ or US-5923368-\$ or US-5909242-\$ or US-5896174-\$ or US-5619264-\$ or US-5517238-\$ or US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)	USPAT; US-PGPUB	2002/12/09 13:06

-	1	((((((US-6072525-\$ or US-5923368-\$ or US-5909242-\$ or US-5896174-\$ or US-5619264-\$ or US-5517238-\$ or US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or	USPAT; US-PGPUB	2002/12/09 13:06
		US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF		
	1	(((((((US-6072525-\$ or US-5923368-\$ or US-5909242-\$ or US-5896174-\$ or US-5619264-\$ or US-5517238-\$ or US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ	USPAT; US-PGPUB	2002/12/09 13:48
-	0	((((((((US-6072525-\$ or US-5923368-\$ or US-5909242-\$ or US-5896174-\$ or US-5619264-\$ or US-5517238-\$ or US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or	USPAT; US-PGPUB	2002/12/09 13:26
	·	US-5331367-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ) and (change with exposure adj time)		
	0	(((((((((US-6072525-\$ or US-5923368-\$ or US-5909242-\$ or US-5896174-\$ or US-5619264-\$ or US-5517238-\$ or US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ) and (change with shutter adj speed)	USPAT; US-PGPUB	2002/12/09 13:26
_	1	((((((((US-6072525-\$ or US-5923368-\$ or US-5909242-\$ or US-5896174-\$ or US-5909242-\$ or US-5517238-\$ or US-5619264-\$ or US-5517238-\$ or US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ) and (in-focus with (zoom or zooming))	USPAT; US-PGPUB	2002/12/09 14:06

Page 5

O (((((((((((((US-6072525-\$ or US-5923368-\$ or US-5909242-\$ or US-5896174-\$ or US-5619264-\$ or US-5517238-\$ or US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or US-20020109784-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ) and (in-focus with (zoom or zooming))) and shake - 16 (US-6072525-\$ or US-5923368-\$ or US-5909242-\$ or US-5896174-\$ or US-PGPUB US-5619264-\$ or US-5517238-\$ or	09 14:07
US-5619264-\$ or US-5517238-\$ or US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ) and (in-focus with (zoom or zooming))) and shake - 16 (US-6072525-\$ or US-5923368-\$ or USPAT; US-5909242-\$ or US-5896174-\$ or US-5GPUB) 9 14:21
US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ) and (in-focus with (zoom or zooming))) and shake - 16 (US-6072525-\$ or US-5923368-\$ or US-FGPUB) 9 14:21
US-5164835-\$ or US-6034727-\$ or US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ) and (in-focus with (zoom or zooming))) and shake - 16 (US-6072525-\$ or US-5923368-\$ or US-FGPUB) 9 14:21
US-6005612-\$ or US-5835143-\$ or US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ) and (in-focus with (zoom or zooming))) and shake - 16 (US-6072525-\$ or US-5923368-\$ or US-FGPUB) 9 14:21
US-5699116-\$ or US-5267044-\$ or US-5331367-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ) and (in-focus with (zoom or zooming))) and shake 16 (US-6072525-\$ or US-5923368-\$ or US-FGPUB)9 14:21
US-5331367-\$).did. or (US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ) and (in-focus with (zoom or zooming))) and shake 16 (US-6072525-\$ or US-5923368-\$ or US-PGPUB)9 14:21
(US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ) and (in-focus with (zoom or zooming))) and shake 16 (US-6072525-\$ or US-5923368-\$ or US-PGPUB)9 14:21
(US-20020109784-\$).did.) and (zoom adj speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ) and (in-focus with (zoom or zooming))) and shake 16 (US-6072525-\$ or US-5923368-\$ or US-PGPUB)9 14:21
speed with (shutter or exposure adj time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ) and (in-focus with (zoom or zooming))) and shake 16 (US-6072525-\$ or US-5923368-\$ or US-PAT; US-5909242-\$ or US-5896174-\$ or US-PGPUB)9 14:21
time))) and zoom adj speed) and (shutter or exposure)) and (AF with PZ)) and AF) and PZ) and (in-focus with (zoom or zooming))) and shake 16 (US-6072525-\$ or US-5923368-\$ or US-PAT; US-5909242-\$ or US-5896174-\$ or US-PGPUB)9 14:21
or exposure)) and (AF with PZ)) and AF) and PZ) and (in-focus with (zoom or zooming))) and shake 16 (US-6072525-\$ or US-5923368-\$ or US-PAT; US-5909242-\$ or US-5896174-\$ or US-PGPUB	09 14:21
and PZ) and (in-focus with (zoom or zooming))) and shake 16 (US-6072525-\$ or US-5923368-\$ or US-PAT; 2002/12/US-5909242-\$ or US-5896174-\$ or US-PGPUB	09 14:21
zooming))) and shake (US-6072525-\$ or US-5923368-\$ or US-PAT; 2002/12/US-5909242-\$ or US-5896174-\$ or US-PGPUB	09 14:21
- 16 (US-6072525-\$ or US-5923368-\$ or USPAT; 2002/12/US-5909242-\$ or US-5896174-\$ or US-PGPUB	09 14:21
US-5909242-\$ or US-5896174-\$ or US-PGPUB	09 14:21
US-5619264-S or US-5517238-S or	
US-5361095-\$ or US-5325206-\$ or	
US-5164835-\$ or US-6034727-\$ or	1
US-6005612-\$ or US-5835143-\$ or	
US-5699116-\$ or US-5267044-\$ or	
US-5331367-\$).did. or	
(US-20020109784-\$).did.	
- 6 ((US-6072525-\$ or US-5923368-\$ or USPAT; 2002/12/	19 14.07
US-5909242-\$ or US-5896174-\$ or US-PGPUB	79 14:07
US-5619264-\$ or US-5517238-\$ or	
US-5361095-\$ or US-5325206-\$ or	
US-5164835-\$ or US-6034727-\$ or	
US-6005612-\$ or US-5835143-\$ or	1
US-5699116-\$ or US-5267044-\$ or	1
US-5331367-\$).did. or	
(US-20020109784-\$).did.) and shake	
1 ((((US-6072525-\$ or US-5923368-\$ or USPAT; 2002/12/0)9 14:10
US-5909242-\$ or US-5896174-\$ or US-PGPUB	
US-5619264-\$ or US-5517238-\$ or	
US-5361095-\$ or US-5325206-\$ or	
US-5164835-\$ or US-6034727-\$ or	
US-6005612-\$ or US-5835143-\$ or	
US-5699116-\$ or US-5267044-\$ or	
US-5331367-\$).did. or	
(US-20020109784-\$).did.) and shake) and	
(high-frequency or high adj frequency))	
and sharpness	
	,, ,, ,,
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	19 14:09
	Ī
US-5619264-\$ or US-5517238-\$ or	
US-5361095-\$ or US-5325206-\$ or	İ
US-5164835-\$ or US-6034727-\$ or	İ
US-6005612-\$ or US-5835143-\$ or	
US-5699116-\$ or US-5267044-\$ or	ļ
US-5331367-\$).did. or	
(US-20020109784-\$).did.) and shake) and	
(high-frequency or high adj frequency)	
- 1 ("6373524").PN. USPAT; 2002/12/0	9 14:24
US-PGPUB	
- 2 ((US-6072525-\$ or US-5923368-\$ or USPAT; 2002/12/0	19 14.22
US-5909242-\$ or US-5896174-\$ or US-PGPUB	7 17.23
US-5619264-\$ or US-5517238-\$ or	-
US-5361095-\$ or US-5325206-\$ or	
US-5164835-\$ or US-6034727-\$ or	
US-6005612-\$ or US-5835143-\$ or	
US-5699116-\$ or US-5267044-\$ or	
US-5331367-\$).did. or	į
(US-20020109784-\$).did.) and ((in-focus or	ĺ
in adj focus) with zooming)	

-	2	(((US-6072525-\$ or US-5923368-\$ or US-5909242-\$ or US-5896174-\$ or	USPAT;	2002/12/09 14:26
		US-5619264-\$ or US-5517238-\$ or	US-PGPUB	
		US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$ or		
		US-5331367-\$).did. or		
		(US-20020109784-\$).did.) and ((in-focus or		
		in adj focus) with zooming)) and (in-focus and zooming)		
-	0	j .	USPAT;	2002/12/09 14:26
		, , , , , , , , , , , , , , , , , , ,	US-PGPUB	2002/12/03 14:20
-	1	((((US-6072525-\$ or US-5923368-\$ or	USPAT;	2002/12/09 14:27
		US-5909242-\$ or US-5896174-\$ or	US-PGPUB	
		US-5619264-\$ or US-5517238-\$ or		
		US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$ or		
		US-5331367-\$).did. or		ļ
		(US-20020109784-\$).did.) and ((in-focus or		
		in adj focus) with zooming)) and (in-focus		
	1	and zooming)) and high-frequency		
_	1	(((((US-6072525-\$ or US-5923368-\$ or US-5909242-\$ or US-5896174-\$ or	USPAT;	2002/12/09 14:47
		US-5619264-\$ or US-5517238-\$ or	US-PGPUB	
]	US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
!		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$ or		
		US-5331367-\$).did. or		
		(US-20020109784-\$).did.) and ((in-focus or in adj focus) with zooming)) and (in-focus		
	!	and zooming)) and high-frequency) and		
		high-frequency and zooming and in-focus		
-	1		USPAT;	2002/12/09 17:27
		US-5909242-\$ or US-5896174-\$ or	US-PGPUB	
]		US-5619264-\$ or US-5517238-\$ or		
		US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$ or		
		US-5331367-\$).did. or		
		(US-20020109784-\$).did.) and ((in-focus or		
		in adj focus) with zooming)) and (in-focus		
		and zooming)) and high-frequency) and high-frequency and zooming and in-focus)		
		and focus with value with (zoom or		
		zooming)		
-	6	((US-6072525-\$ or US-5923368-\$ or	USPAT;	2002/12/09 15:12
		US-5909242-\$ or US-5896174-\$ or	US-PGPUB	
		US-5619264-\$ or US-5517238-\$ or		
		US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$ or		
		US-5331367-\$).did. or		
		(US-20020109784-\$).did.) and shake		
n . N	0	((US-6072525-\$ or US-5923368-\$ or	USPAT;	2002/12/09 15:46
		US-5909242-\$ or US-5896174-\$ or US-5619264-\$ or US-5517238-\$ or	US-PGPUB	
		US-5619264-\$ or US-5517238-\$ or US-5361095-\$ or US-5325206-\$ or		
1		US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$ or		
		US-5331367-\$).did. or		
3				
		(US-20020109784-\$).did.) and averaging adj		

-	0	((US-6072525-\$ or US-5923368-\$ or US-5909242-\$ or US-5896174-\$ or	USPAT;	2002/12/09 15:46
		US-5619264-\$ or US-5517238-\$ or	US-PGPUB	
		US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$ or		
		US-5331367-\$).did. or		
		(US-20020109784-\$).did.) and ((sharpness		
		adj signals) with (average or averaged or		
		averaging))		
-	1	((USPAT;	2002/12/09 15:57
		US-5909242-\$ or US-5896174-\$ or	US-PGPUB	
		US-5619264-\$ or US-5517238-\$ or		
		US-5361095-\$ or US-5325206-\$ or US-5164835-\$ or US-6034727-\$ or		1
		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$ or		
	-	US-5331367-\$).did. or		İ
		(US-20020109784-\$).did.) and sharpness adj		
1		signals		
-	1	("5331367").PN.	USPAT;	2002/12/09 17:08
			US-PGPUB	
-	0	(averaging adj time) with sharpness	USPAT;	2002/12/09 16:01
			US-PGPUB	
-	454	(averaging or average or averaged) with	USPAT;	2002/12/09 16:05
		sharpness	US-PGPUB	
_	0	((averaging or average or averaged) with	USPAT;	2002/12/09 16:03
_	25	sharpness) with (zoom or zooming) ((averaging or average or averaged) with	US-PGPUB	2000/10/00 16 03
	25	sharpness) and (zoom or zooming)	USPAT; US-PGPUB	2002/12/09 16:03
_	19	(((averaging or average or averaged) with	USPAT;	2002/12/09 16:04
		sharpness) and (zoom or zooming)) and	US-PGPUB	2002/12/09 16:04
		(speed or velocity)	OD TOTOE	
-	467	(averaging or average or averaged or	USPAT;	2002/12/09 16:05
		combine) with sharpness	US-PGPUB	,,
-	0	((averaging or average or averaged or	USPAT;	2002/12/09 16:05
		combine) with sharpness) with zoom	US-PGPUB	
-	55	focus adj evaluation adj value	USPAT;	2002/12/09 16:08
_	31	/focus add analystics add analysts	US-PGPUB	0000404040
	31	(focus adj evaluation adj value) and zoom	USPAT;	2002/12/09 16:09
_	6	(focus adj evaluation adj value) with zoom	US-PGPUB USPAT:	2002/12/00 16:10
1		value, with zoom	US-PGPUB	2002/12/09 16:10
-	6	((focus adj evaluation adj value) with	USPAT;	2002/12/09 16:11
		zoom) and focus adj evaluation adj value	US-PGPUB	-302,12,03 10.11
-	2	(((focus adj evaluation adj value) with	USPAT;	2002/12/09 16:11
		zoom) and focus adj evaluation adj value)	US-PGPUB	
		and average		
-	1	("6373524").PN.	USPAT;	2002/12/09 17:08
	1	///////	US-PGPUB	
-	1	((((((US-6072525-\$ or US-5923368-\$ or	USPAT;	2002/12/09 17:56
	1	US-5909242-\$ or US-5896174-\$ or US-5619264-\$ or US-5517238-\$ or	US-PGPUB	
		US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
		US-6005612-\$ or US-5835143-\$ or		
		US-5699116-\$ or US-5267044-\$ or		
		US-5331367-\$).did. or		
		(US-20020109784-\$).did.) and ((in-focus or		
		in adj focus) with zooming)) and (in-focus		
		and zooming)) and high-frequency) and		
		high-frequency and zooming and in-focus)		
		and focus with value with (zoom or		
		zooming)) and (high-frequency and		
_	15	sharpness) focus adj signals with (average or	Henra.	2002/12/02 12 22
	13	averaged or averaging)	USPAT; US-PGPUB	2002/12/09 18:00
_	36	focus adj signal with (average or averaged	USPAT;	2002/12/09 18:01
ł	"	or averaging)	US-PGPUB	2002/12/03 18:01
	·		20 10100	L

-	21	(=	USPAT;	2002/12/09 18:11
		averaged or averaging)) not (focus adj	US-PGPUB	
		signals with (average or averaged or		
	144	averaging))		
-	144	shake adj detection	USPAT;	2002/12/09 18:11
_	11	(chake add detection) with senture	US-PGPUB	
-	1	(shake adj detection) with contrast	USPAT;	2002/12/09 18:11
_	0	2002/0109784	US-PGPUB	0000/10/10 10 00
	1	2002/0103704	USPAT;	2002/12/10 10:37
_	2	"0109784"	US-PGPUB USPAT;	2002/12/10 10:38
			US-PGPUB	2002/12/10 10:38
-	1	("0109784").PN.	USPAT;	2002/12/10 10:38
			US-PGPUB	2002/12/10 10:50
_	17		USPAT;	2002/12/10 10:38
		US-5909242-\$ or US-5896174-\$ or	US-PGPUB	
		US-5619264-\$ or US-5517238-\$ or		
		US-5361095-\$ or US-5325206-\$ or		
		US-5164835-\$ or US-6034727-\$ or		
	İ	US-6005612-\$ or US-5842059-\$ or		1
		US-5835143-\$ or US-5699116-\$ or		
		US-5267044-\$ or US-5218442-\$).did. or		
		(US-20020109784-\$).did.		
-	0	hirofumi adj suda	USPAT;	2002/12/10 10:40
	10	himofumi maan anda	US-PGPUB	
-	48	hirofumi near suda	USPAT;	2002/12/10 10:40
_	3	(hirofumi near guda) and himst-	US-PGPUB	2000/10/10
-	3	(hirofumi near suda) and hiroto near ohkawara	USPAT;	2002/12/10 10:41
1_	3		US-PGPUB	2002/12/12 12 12
		ohkawara) and evaluation adj value	USPAT; US-PGPUB	2002/12/10 10:42
_	3		USPAT;	2002/12/10 10:42
		ohkawara) and evaluation adj value) and	US-PGPUB	2002/12/10 10:42
		sharpness	US-FGFUB	
-	3		USPAT;	2002/12/10 11:18
	1	ohkawara) and evaluation adj value) and	US-PGPUB	2002/12/10 11.18
		sharpness) and focus and zoom	05 19105	
_	1	("5331367").PN.	USPAT;	2002/12/10 11:18
]		US-PGPUB	2002/12/10 11:10
_	0	average near3 sharpness adj signal	USPAT;	2002/12/10 14:17
		-	US-PGPUB	
-	84	average near3 sharpness	USPAT;	2002/12/10 14:17
			US-PGPUB	
-	1647	sharpness adj signal or focus adj signal	USPAT;	2002/12/10 14:18
			US-PGPUB	
-	28	(sharpness adj signal or focus adj signal)	USPAT;	2002/12/10 14:27
		with average	US-PGPUB	
-	0	(sharpness adj signal or focus adj signal)	USPAT;	2002/12/10 14:27
1_	4	with average with (zoom or zooming)	US-PGPUB	0000/10/10 = : = :
	4	((sharpness adj signal or focus adj signal) with average) and zoom	USPAT;	2002/12/10 14:32
_	17	focus with average) and zoom	US-PGPUB	2002/12/10 14 45
	''	10000 With average with 2000	USPAT; US-PGPUB	2002/12/10 14:45
-	3536	focus with zoom	USPAT;	2002/12/10 14:45
			US-PGPUB	2002/12/10 14:45
-	199	focus with zoom with speed	USPAT;	2002/12/10 14:46
			US-PGPUB	2002/12/10 14.40
-	8	zoom adj calculation	USPAT;	2002/12/10 15:02
			US-PGPUB	
-	4	(focus with zoom with speed) and averaging	USPAT;	2002/12/10 15:09
		adj time	US-PGPUB	,
-	4	(high-frequency or high adj frequency)	USPAT;	2002/12/10 15:11
		with averaging adj time	US-PGPUB	
-	2179	(high-frequency or high adj frequency)	USPAT;	2002/12/10 15:13
		with (averaging adj time or average or	US-PGPUB	
		averaged)		
-	0	(high-frequency or high adj frequency or	USPAT;	2002/12/10 15:16
		sharpness adj signal or focus adj signal)	US-PGPUB	1
		with (average or averaged or averaging)		
		with (time or duration or period) with		
L		(zoom or zooming or zoomed)		

	.,			
	417	(high-frequency or high adj frequency or	USPAT;	2002/12/10 15:18
		sharpness adj signal or focus adj signal)	US-PGPUB	
		with (average or averaged or averaging)		
		with (time or duration or period)		
_	36		USPAT;	2002/12/10 15:27
		sharpness adj signal or focus adj signal)	US-PGPUB	
		with (average or averaged or averaging)	100 20202	
		with (time or duration or period) with		
		(change or vary or decrease or increase)		
1_	417	(high-frequency or high adj frequency or	USPAT;	2002/12/10 15:40
	71,	sharpness adj signal or focus adj signal)	US-PGPUB	2002/12/10 15:40
		with (average or averaged or averaging)	US-FGFUB	
		with (average of averaged of averaging)		
	127	with (time or duration or period)		
-	137	((high-frequency or high adj frequency or	USPAT;	2002/12/10 15:30
		sharpness adj signal or focus adj signal)	US-PGPUB	
		with (average or averaged or averaging)		
1	1	with (time or duration or period)) and		
		time adj (duration or period)		
-	14	(((high-frequency or high adj frequency or	USPAT;	2002/12/10 15:30
		sharpness adj signal or focus adj signal)	US-PGPUB	
1		with (average or averaged or averaging)	j	
1		with (time or duration or period)) and	1	
		time adj (duration or period)) and camera		
-	35		USPAT;	2002/12/10 15:51
		sharpness adj signal or focus adj signal)	US-PGPUB	
		with (average or averaged or averaging)		
		with (frames or images)		
_	83	(high-frequency or high adj frequency or	USPAT;	2002/12/10 16:02
		sharpness adj signal or focus) with	US-PGPUB	-502, 22, 20.02
	Ì	(average or averaged or averaging) with	30 10100	
		(frames or images)		
1_	. 6	((high-frequency or high adj frequency or	USPAT;	2002/12/10 15:53
	1	sharpness adj signal or focus) with	US-PGPUB	2002/12/10 13:53
		(average or averaged or averaging) with	US-FGFUB	
l _	4	(frames or images)) and zoom	HCDAM-	2002/12/12 15 55
1	4	(high-frequency or high adj frequency or	USPAT;	2002/12/10 16:07
		sharpness adj signal or focus) with	US-PGPUB	
]	(average or averaged or averaging) with		
		(exposure adj time or shutter adj speed)		1
-	53	(focus or sharpness or blur) with (shake	USPAT;	2002/12/10 16:09
		or movement) with (average or averaged or	US-PGPUB	
		averaging)		
-	18	(focus or sharpness or blur) with (shake	USPAT;	2002/12/10 16:10
		or movement) with (average or averaged or	US-PGPUB	
		averaging) with (time or duration or		
]	images or frames)		
-	280	focus with movement with (correct or	USPAT;	2002/12/10 16:26
	[correction)	US-PGPUB	
-	2	focus with movement with (correct or	USPAT;	2002/12/10 16:28
		correction) with (average or averaging or	US-PGPUB	
		averaged)		
1 -	9	calculating adj zoom	USPAT;	2002/12/10 16:31
		· · · · · · · · · · · · · · · · · · ·	US-PGPUB	= 552, 22, 10 10.51
-	350	(shake or movment) with (sample or	USPAT;	2002/12/10 16:32
		sampling)	US-PGPUB	2002/12/10 10.32
_	22	(shake or movment) with (sample or	USPAT;	2002/12/10 17:32
	""	sampling) with time	US-PGPUB	2002/12/10 1/:32
1_	280	camera and (movement or shake) adj		2002/12/10 16:40
_	200	correction	USPAT;	2002/12/10 16:42
1_	20		US-PGPUB	2002/12/22 15 55
-	38	(camera and (movement or shake) adj	USPAT;	2002/12/10 16:55
		correction) and ((variable or changable)	US-PGPUB	
		with time)		
-	0	focus with zoom with skake with luminance	USPAT;	2002/12/10 17:24
			US-PGPUB	
-	0	focus with zoom with shake with luminance	USPAT;	2002/12/10 17:24
			US-PGPUB	
_	12	focus with zoom with shake	USPAT;	2002/12/10 17:24
	ļ i		US-PGPUB	
-	1	"5003339".PN.	USPAT	2002/12/10 17:36
	0	5699116.URPN.	USPAT	2002/12/10 17:37

-	0	(sharpness adj signal) with (change or	USPAT;	2002/12/10 17:49
		changing) with (average or averaging or	US-PGPUB	
	67	averaged)		2000 (20 (20 10 10
-	67	, , , , ,	USPAT;	2002/12/10 17:50
_	0	(average or averaging or averaged) (focus) with (change or changing) with	US-PGPUB USPAT;	2002/12/10 17:50
		(average or averaging or averaged) with	US-PGPUB	2002/12/10 17:50
		(zoom or zooming)	OS IGIOD	
_	3900	focus with (zoom or zooming)	USPAT;	2002/12/10 18:14
			US-PGPUB	
_	771	(focus with (zoom or zooming)) and	USPAT;	2002/12/10 17:51
		(average or averaging or averaged)	US-PGPUB	
-	744	((focus with (zoom or zooming)) and	USPAT;	2002/12/10 17:51
		(average or averaging or averaged)) and	US-PGPUB	
	663	((time or period or duration) (((focus with (zoom or zooming)) and	HODAM.	2002/12/10 17:51
-	003	(average or averaging or averaged)) and	USPAT; US-PGPUB	2002/12/10 17:51
	-	(time or period or duration)) and camera	U3-FGFUB	
-	56	((((focus with (zoom or zooming)) and	USPAT;	2002/12/10 17:53
		(average or averaging or averaged)) and	US-PGPUB	2002/12/10 17:55
		(time or period or duration)) and camera)		
	1	and shake		
-	50	(((((focus with (zoom or zooming)) and	USPAT;	2002/12/10 17:52
		(average or averaging or averaged)) and	US-PGPUB	
1		(time or period or duration)) and camera)		
_	38	and shake) and (speed or velocity) (((((focus with (zoom or zooming)) and	USPAT;	2002/12/10 17:53
	30	(average or averaging or averaged)) and	US-PGPUB	2002/12/10 17:53
		(time or period or duration)) and camera)	00 10108	
		and shake) and (speed or velocity)) and		
		(luminance or illuminance)		
-	7651	focus with (zoom or zooming)	USPAT;	2002/12/10 18:14
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
_	785	(focus with (zoom or zooming)) and	USPAT;	2002/12/10 18:15
		(average or averaging or averaged)	US-PGPUB;	2002/12/10 10:13
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	750	((focus with (zoom or zooming)) and	USPAT;	2002/12/10 18:16
		(average or averaging or averaged)) and (time or period or duration)	US-PGPUB;	
		(time of period of duration)	EPO; JPO; DERWENT;	
			IBM TDB	
-	667	(((focus with (zoom or zooming)) and	USPAT;	2002/12/10 18:16
		(average or averaging or averaged)) and	US-PGPUB;	,,
		(time or period or duration)) and camera	EPO; JPO;	
			DERWENT;	
		////fagua with /	IBM TDB	2002/10/10 12 1
-	56	((((focus with (zoom or zooming)) and (average or averaging or averaged)) and	USPAT; US-PGPUB;	2002/12/10 18:16
		(time or period or duration)) and camera)	EPO; JPO;	
		and shake	DERWENT;	
			IBM TDB	
-	50	(((((focus with (zoom or zooming)) and	USPAT;	2002/12/10 18:17
		(average or averaging or averaged)) and	US-PGPUB;	
		(time or period or duration)) and camera)	EPO; JPO;	
		and shake) and (speed or velocity)	DERWENT;	
_	o	(((((focus with (zoom or zooming)) and	IBM_TDB USPAT;	2002/12/10 18:17
	ا	(average or averaging or averaged)) and	US-PGPUB;	2002/12/10 18:1/
		(time or period or duration)) and camera)	EPO; JPO;	
		and shake) and (speed or velocity)) not	DERWENT;	
		(((((focus with (zoom or zooming)) and	IBM_TDB	
		(average or averaging or averaged)) and	_	
		(time or period or duration)) and camera)		
L		and shake) and (speed or velocity))	l	